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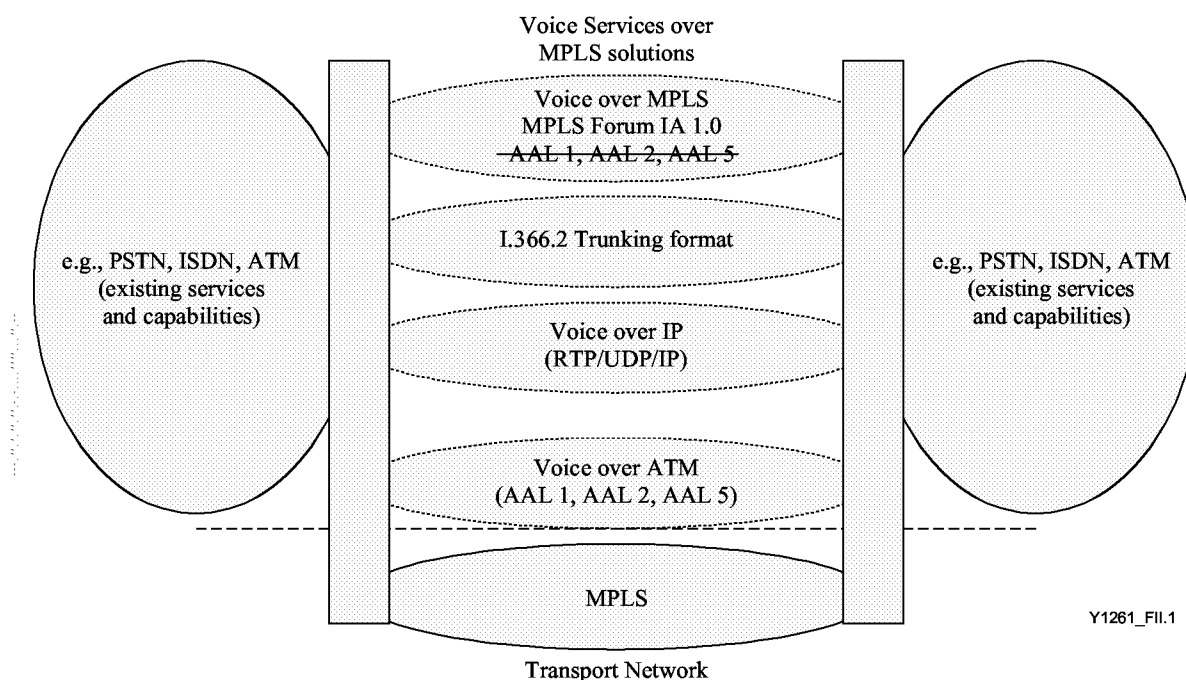
Geneva, 4 February 2004

ITU – TELECOMMUNICATION
STANDARDIZATION SECTOR

Subject: Erratum 1 (02/2004) to

ITU-T Recommendation Y.1261 (12/2002), *Service requirements and architecture for voice services over Multi-Protocol Label Switching*

In **Figure II.1/Y.1261 – Alternate solutions for Voice Services over MPLS**, in first service solution "voice over MPLS", delete last line "AAL 1, AAL 2, AAL 5" as shown below:



Y1261_FII.1



INTERNATIONAL TELECOMMUNICATION UNION

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

Y.1261

(12/2002)

**SERIES Y: GLOBAL INFORMATION INFRASTRUCTURE
AND INTERNET PROTOCOL ASPECTS**

Internet protocol aspects – Architecture, access, network
capabilities and resource management

**Service requirements and architecture for voice
services over Multi-Protocol Label Switching**

ITU-T Recommendation Y.1261

ITU-T Y-SERIES RECOMMENDATIONS
GLOBAL INFORMATION INFRASTRUCTURE AND INTERNET PROTOCOL ASPECTS

GLOBAL INFORMATION INFRASTRUCTURE	
General	Y.100–Y.199
Services, applications and middleware	Y.200–Y.299
Network aspects	Y.300–Y.399
Interfaces and protocols	Y.400–Y.499
Numbering, addressing and naming	Y.500–Y.599
Operation, administration and maintenance	Y.600–Y.699
Security	Y.700–Y.799
Performances	Y.800–Y.899
INTERNET PROTOCOL ASPECTS	
General	Y.1000–Y.1099
Services and applications	Y.1100–Y.1199
Architecture, access, network capabilities and resource management	Y.1200–Y.1299
Transport	Y.1300–Y.1399
Interworking	Y.1400–Y.1499
Quality of service and network performance	Y.1500–Y.1599
Signalling	Y.1600–Y.1699
Operation, administration and maintenance	Y.1700–Y.1799
Charging	Y.1800–Y.1899

For further details, please refer to the list of ITU-T Recommendations.

ITU-T Recommendation Y.1261

Service requirements and architecture for voice services over Multi-Protocol Label Switching

Summary

This Recommendation describes service requirements and architecture for transport of Voice Services over MPLS networks.

Voice Services over MPLS networks include a family of protocols that may be supported over MPLS, including Voice over IP (as specified by IETF), Voice over MPLS (as specified by MPLS Forum) and I.366.2 Voice Trunking Format (based on ITU-T Rec. I.366.2 adapted for MPLS).

Possible approaches for transporting Voice Services over MPLS are provided in Appendix II.

Detailed protocol specifications are subject of other Recommendations.

Source

ITU-T Recommendation Y.1261 was prepared by ITU-T Study Group 13 (2001-2004) and approved under the WTSA Resolution 1 procedure on 14 December 2002.

FOREWORD

The International Telecommunication Union (ITU) is the United Nations specialized agency in the field of telecommunications. The ITU Telecommunication Standardization Sector (ITU-T) is a permanent organ of ITU. ITU-T is responsible for studying technical, operating and tariff questions and issuing Recommendations on them with a view to standardizing telecommunications on a worldwide basis.

The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had not received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementors are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database.

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ITU-T Recommendation Y.1261

Service requirements and architecture for voice services over Multi-Protocol Label Switching

1 Scope

The scope of this Recommendation is to describe services requirements and architecture for transport of Voice Services over MPLS networks.

Voice Services over MPLS networks include a family of protocols that may be supported over MPLS, including Voice over IP (as specified by IETF), Voice over MPLS (as specified by MPLS Forum) and I.366.2 Voice Trunking Format (based on ITU-T Rec. I.366.2 adapted for MPLS).

An overview of several possible approaches that have been proposed as the basis for the family of protocols for transporting Voice services over MPLS is provided in Appendix II. Nothing in this Recommendation precludes the progression of all these protocols for the transport of Voice Services over MPLS.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

2.1 Normative references

- [1] ITU-T Recommendation G.711 (1988), *Pulse code modulation (PCM) of voice frequencies*.
- [2] ITU-T Recommendation G.723.1 (1996), *Speech coders: Dual rate speech coder for multimedia communications transmitting at 5.3 and 6.3 kbit/s*.
- [3] ITU-T Recommendation G.726 (1990), *40, 32, 24, 16 kbit/s Adaptive Differential Pulse Code Modulation (ADPCM)*.
- [4] ITU-T Recommendation G.729 (1996), *Coding of speech at 8 kbit/s using conjugate-structure-algebraic-code-excited linear prediction (CS-ACELP)*.
- [5] ITU-T Recommendation I.361 (1999), *B-ISDN ATM layer specification*.
- [6] ITU-T Recommendation I.363.1 (1996), *B-ISDN Adaptation Layer specification: Type 1 AAL*.
- [7] ITU-T Recommendation I.363.2 (2000), *B-ISDN Adaptation Layer specification: Type 2 AAL*.
- [8] ITU-T Recommendation I.363.5 (1996), *B-ISDN Adaptation Layer specification: Type 5 AAL*.
- [9] ITU-T Recommendation I.366.2 (2000), *AAL type 2 service specific convergence sublayer for narrow-band services*.
- [10] ITU-T Recommendation I.610 (1999), *B-ISDN operation and maintenance principles and functions*.